

Chung 2-19



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Applicant(s): S.-Y. Chung et al.  
Case: 2-19  
Serial No.: To Be Assigned  
Filing Date: January 19, 2001  
Title: Multilevel Coding with Unequal Error Protection and  
Time Diversity for Bandwidth Efficient Transmission  
Group: To Be Assigned  
Examiner: To Be Assigned

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**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

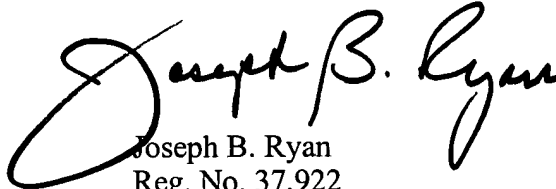
Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants' attorney wishes to bring to the attention of the Patent and Trademark Office the following documents listed on the accompanying Form PTO-1449. A copy of each listed document is enclosed.

1. G.J. Pottie and D.P. Taylor, "Multilevel Codes Based on Partitioning," IEEE Transactions on Information Theory, Vol. 35, No. 1, pp. 87-98, January 1989.
2. H. Imai and S. Hirakawa, "A New Multilevel Coding Method Using Error-Correcting Codes," IEEE Transactions on Information Theory, Vol. IT-23, No. 3, pp. 371-377, May 1997.
3. E. Husni and P. Sweeney, "Robust Reed Solomon Coded MPSK Modulation," Cryptography and Coding, Lecture Notes in Computer Science, Vol. 1355, Springer, pp. 143-154, 1997.
4. L.-F. Wei, "Coded Modulation with Unequal Error Protection," IEEE Transactions on Communications, Vol. 41, No. 10, pp. 1439-1449, October 1993.
5. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part I: Introduction," IEEE Communications Magazine, Vol. 25, No. 2, pp. 5-11, February 1987.

6. G. Ungerboeck, "Trellis-Coded Modulation with Redundant Signal Sets, Part II: State of the Art," IEEE Communications Magazine, Vol. 25, No. 2, pp. 12-21, February 1987.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or as an admission that the information cited is considered to be material to patentability, or as a representation that no other material information exists.

Respectfully submitted,

A handwritten signature in black ink, reading "Joseph B. Ryan". The signature is fluid and cursive, with the first name "Joseph" and last name "Ryan" clearly legible. The middle initial "B." is also present.

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